

## ABSTRACT OF DISCLOSURE

A heart-sound detecting apparatus, including: a heart-sound microphone which detects a plurality of heart sounds produced by a heart of a living subject and outputs a heart-sound signal representative of the detected heart sounds; a smoothing device for smoothing, by differentiation, a waveform of the heart-sound signal output from the heart-sound microphone; a squaring device for squaring an amplitude of the smoothed waveform with respect to a base line of the heart-sound signal; and a start-point determining device for determining a start point of a first heart sound I as one of the detected heart sounds, based on that the squared amplitude is greater than a prescribed threshold value.